FIG. 1

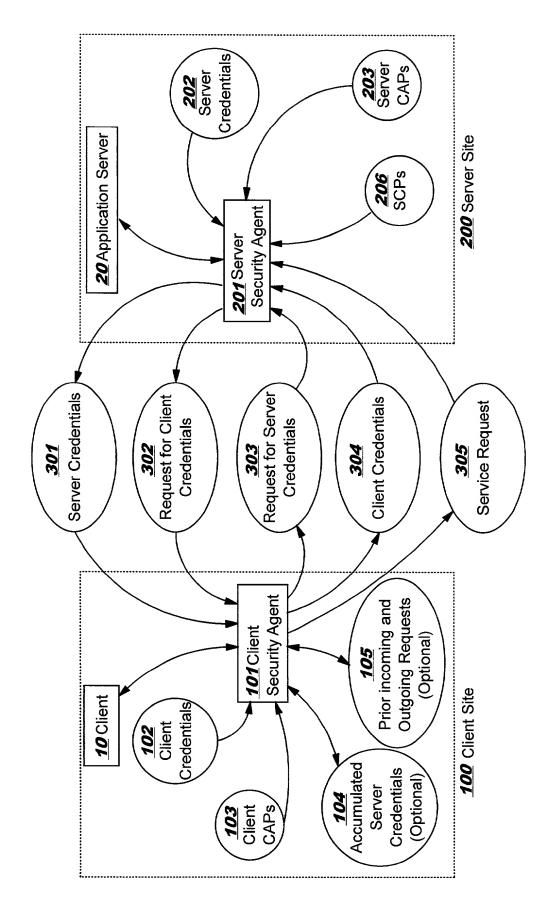


FIG. 2

type = contract
deliveryLocation = Vancouver
issuer = Widget Outlet
owner = Acme Widget
Contract

issuer = manufacturer 1

owner = A1 Shipping

 Ref_1

relationship = shipper

type = reference

type = lease
location = Hong Kong
issuer = Port of Hong Kong
owner = Acme Widget
Warehouse

type = credit amount = \$15,000 issuer = Mattress Bank owner = Acme Widget **Credit**

type = reference relationship = shipper issuer = manufacturer 2. owner = A1 Shipping **Ref**2 type = businessOrgMember rating = good issuer = Intl. Shippers Assoc. owner = A1 Shipping **B-Org-S**

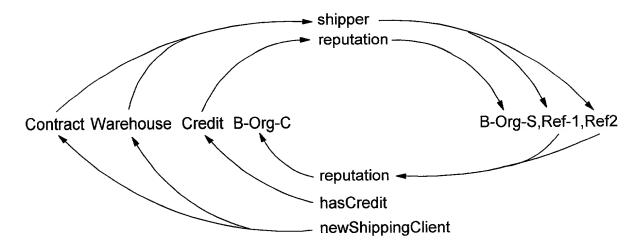
Server Credentials

type = businessOrgMember rating = excellent issuer = Better Widget Bureau owner = Acme Widget **B-Org-C**

Client Credentials

FIG. 3

Roles defined by the client that the server can authenticate to



Roles defined by the server the client can authenticate to

FIG. 4

